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File: JPAB

Mar 28, 2000

PUB-NO: JP02000085257A

DOCUMENT-IDENTIFIER: JP 2000085257 A

TITLE: STENCIL PRINTING BASE PAPER AND ITS PROCESSING METHOD

PUBN-DATE: March 28, 2000

## INVENTOR-INFORMATION:

NAME

COUNTRY

OSHIMA, KENJI

N/A

## ASSIGNEE-INFORMATION:

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RISO KAGAKU CORP

N/A

APPL-NO: JP10256982

APPL-DATE: September 10, 1998

INT-CL (IPC): B41N 1/24; B32B 5/02; B41C 1/055

## ABSTRACT:

PROBLEM TO BE SOLVED: To provide a stencil printing base paper of superior uniformity of solid sections, improved in density unevenness and set-off, and superior in resolution of small characters, and provide further its processing method.

SOLUTION: A stencil printing base paper is formed of a thermoplastic resin film and a porous substrate composed mainly of thermoplastic fibers laminated together, and when a processing section of 20-50% opening rate is formed on a film, the average air permeability resistance of the processing section of the stencil printing base paper satisfies 0.05-0.15 Kpa.s/m. The wet stencil strength of the base paper is desirably 200 gf/cm or more in one direction. The thermoplastic resin film is desirably composed of polyester film, and thermoplastic fibers are desirably composed of polyester resin. When a number of fine pores corresponding to an image to be printed on the stencil printing base paper are formed and processed, the pores are so formed as to satisfy the condition of 0.05-0.15 Kpa.s/m average filtration resistance of the processing section to form a good image.

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File: JPAB

Mar 18, 1997

PUB-NO: JP409071032A

DOCUMENT-IDENTIFIER: JP 09071032 A

TITLE: METHOD FOR MOUNTING STENCIL PROCESS PRINTING BASE PAPER ON  
PLATE AND STENCIL PROCESS BASE PAPER USED FOR THE METHOD

PUBN-DATE: March 18, 1997

## INVENTOR-INFORMATION:

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APPL-NO: JP07252025

APPL-DATE: September 6, 1995

INT-CL (IPC): B41L 13/14; B41N 1/24

## ABSTRACT:

PROBLEM TO BE SOLVED: To carry out smoothly the feeding of a stencil process printing base paper and seat the same on a plate by preventing the generation of curls on the end of a stencil process base paper to be mounted first on a plate cylinder at the time of mounting.

SOLUTION: In a method of seating the end of a stencil process base paper composed of a porous substrate 111 of ink permeability and an ink fusion film 112 on a plate cylinder and winding the same on the plate cylinder, openings 5 are formed on the end of the film to be seated on the plate cylinder and the film on a substrate at the end is cut and divided, and the tension of the divided films 112a, 112b and 112c is lowered to make the distortion between the films and the substrate small and reduce the degree of generation of curls. The openings can be formed at the time of manufacturing the stencil process base paper, or can be formed by utilizing a thermal head or the like as a process means at the time of processing.

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File: JPAB

Mar 28, 2000

PUB-NO: JP02000085258A

DOCUMENT-IDENTIFIER: JP 2000085258 A

TITLE: THERMAL STENCIL BASE SHEET

PUBN-DATE: March 28, 2000

## INVENTOR-INFORMATION:

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APPL-NO: JP10256983

APPL-DATE: September 10, 1998

INT-CL (IPC): B41N 1/24; B32B 5/02

## ABSTRACT:

PROBLEM TO BE SOLVED: To prevent a heat shrinkage of a base sheet at the time of engraving by specifying a thermal shrinkage factor via a thermomechanical analysis under specific measuring conditions, in a thermal stencil base sheet obtained by laminating a thermoplastic resin film and a porous support containing thermoplastic fiber as a main body.

SOLUTION: The thermal stencil base sheet used for stencil printing is formed by laminating a thermoplastic resin film and a porous support containing thermoplastic fiber as a main body. In this case, a thermal shrinkage factor at 140

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